09/765,214 01/22/01

FIG. 1

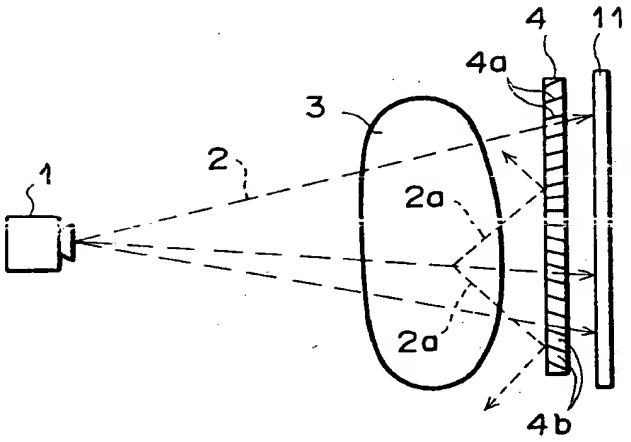

FIG. 2

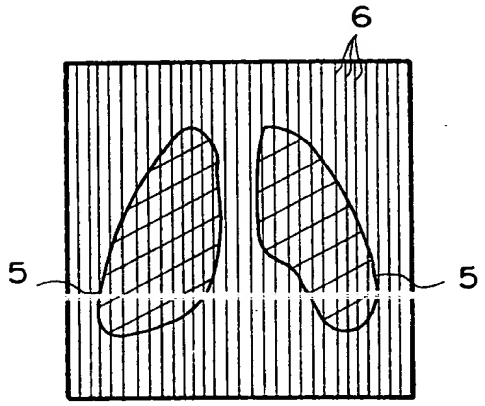

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FIG. 3

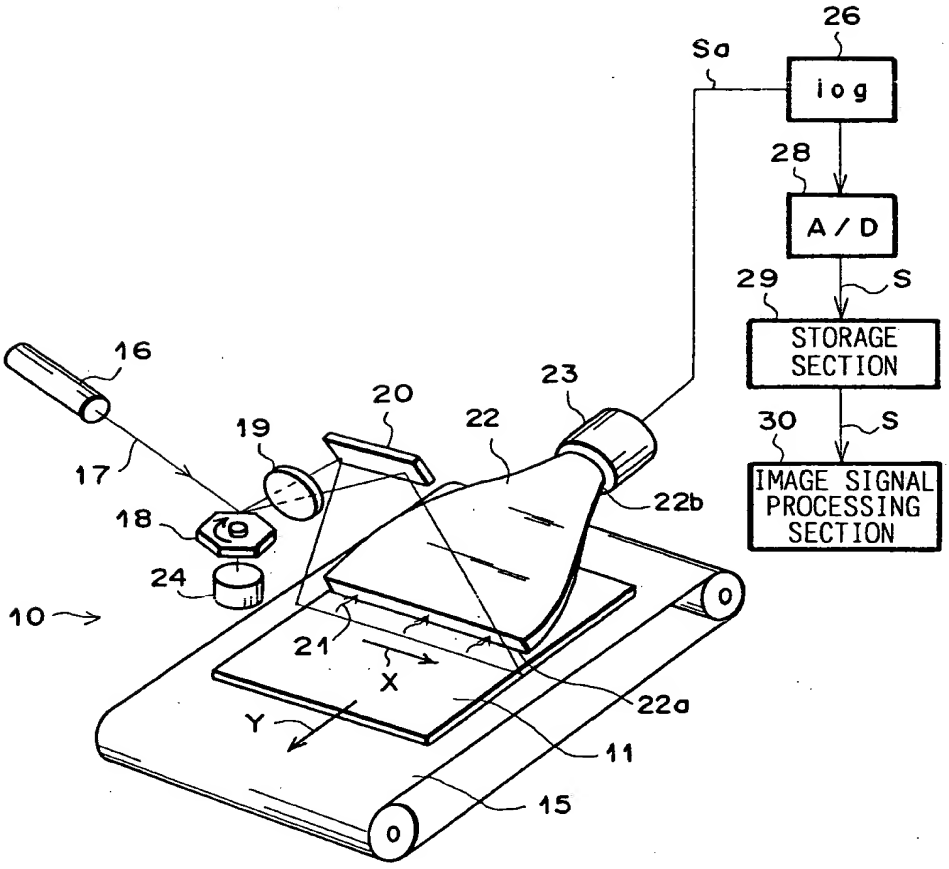

FIG. 4

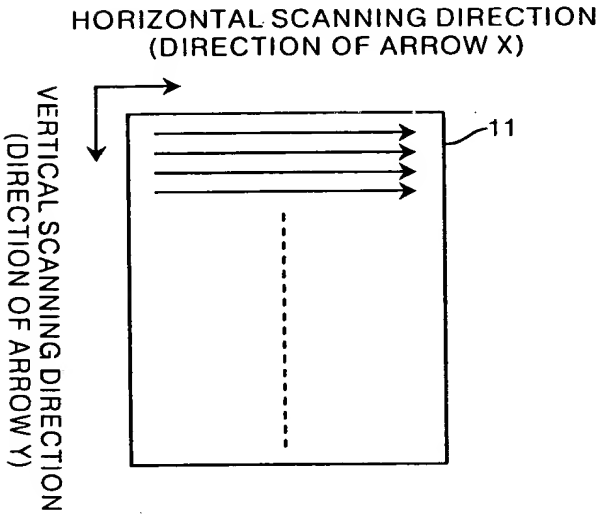

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FIG. 5

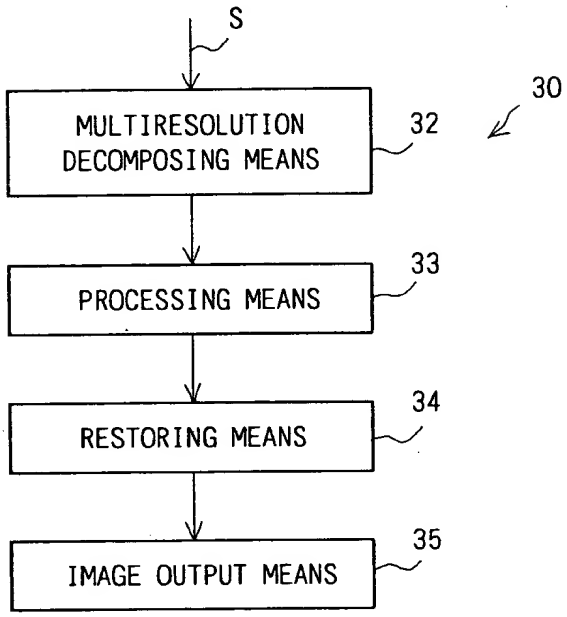

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FIG.6

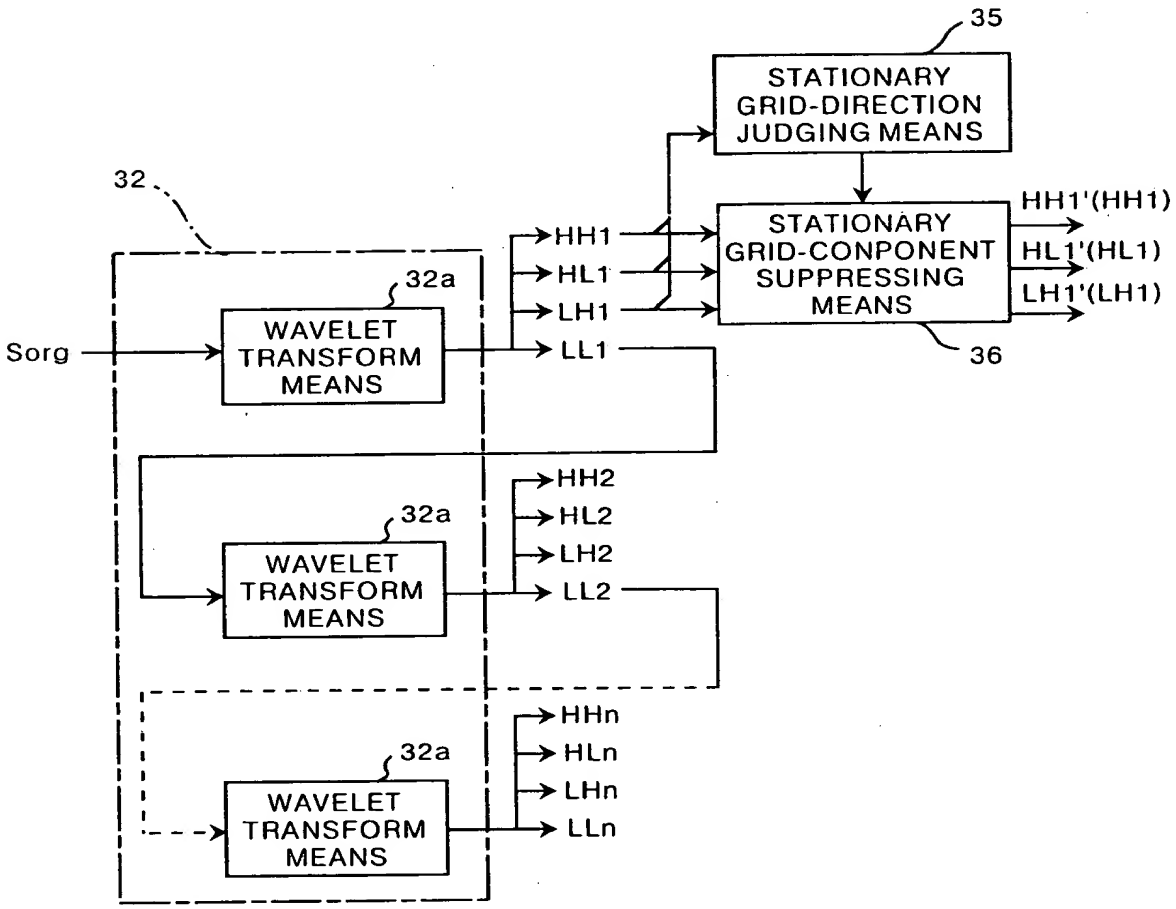
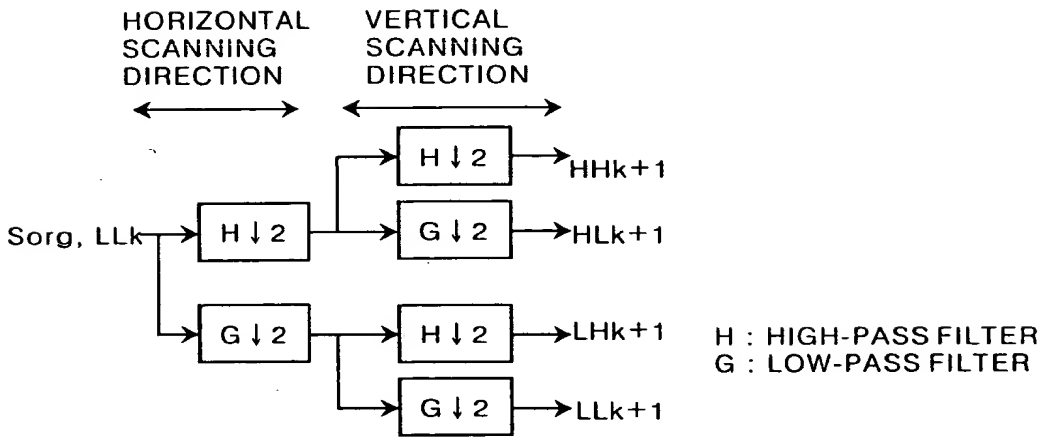

35
STATIONARY GRID-DIRECTION JUDGING MEANS
32
32a
WAVELET TRANSFORM MEANS
Sorg
HH1
HL1
LH1
LL1
STATIONARY GRID-CONPONENT SUPPRESSING MEANS
HH1'(HH1)
HL1'(HL1)
LH1'(LH1)
36
HH2
HL2
LH2
LL2
HHn
HLn
LHn
LLn

FIG.7



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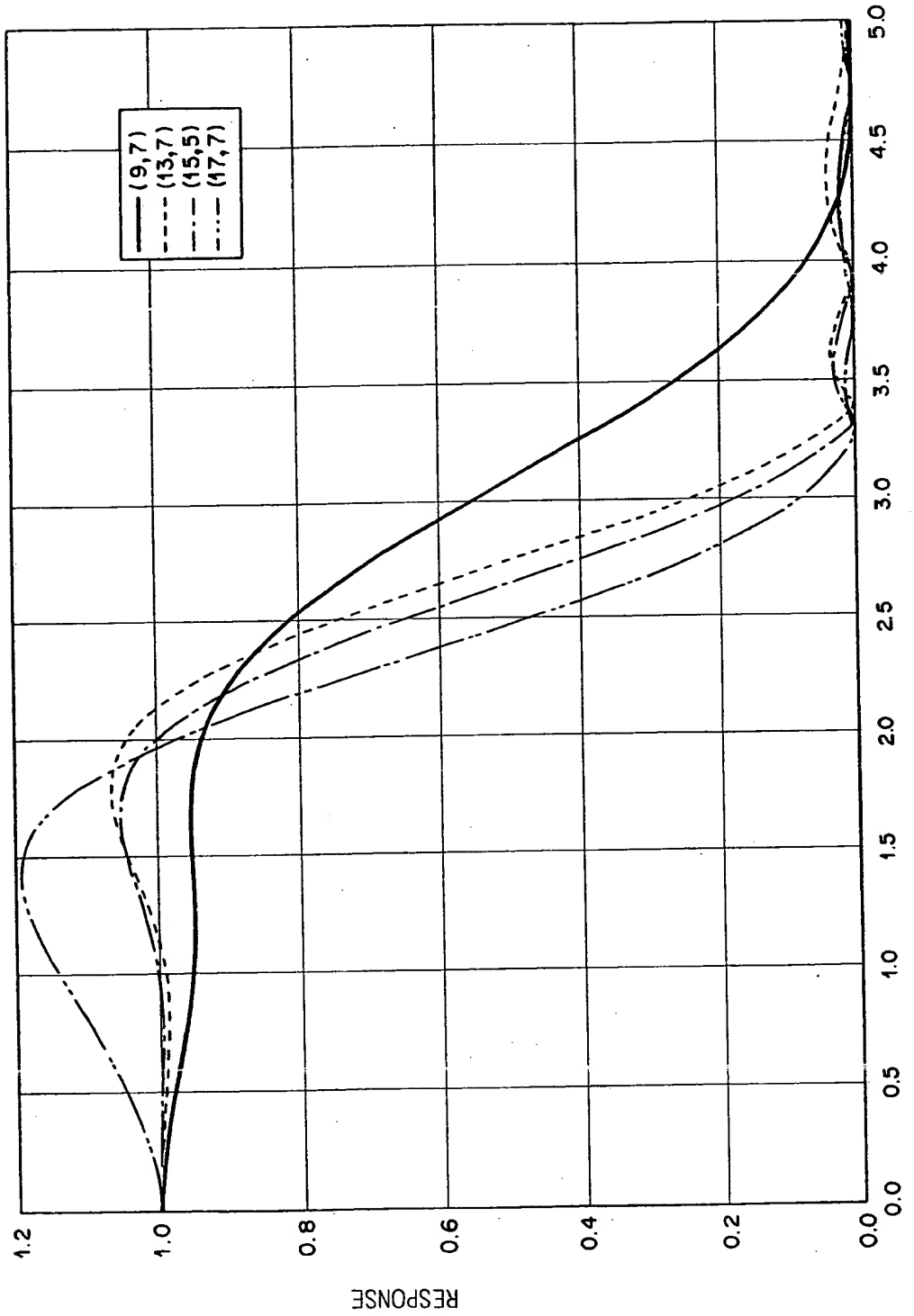

FIG. 8

Top Secret Security

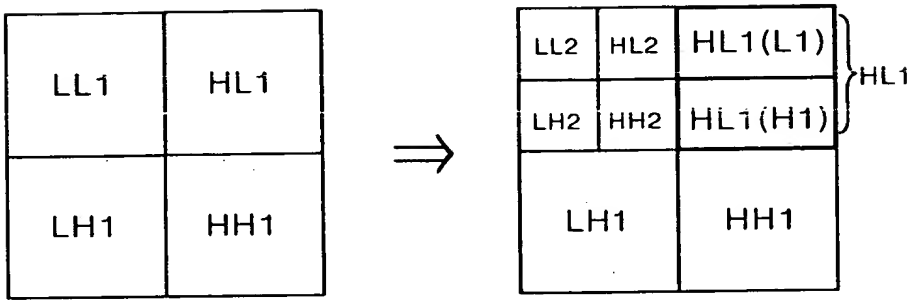

FIG.9A FIG.9B

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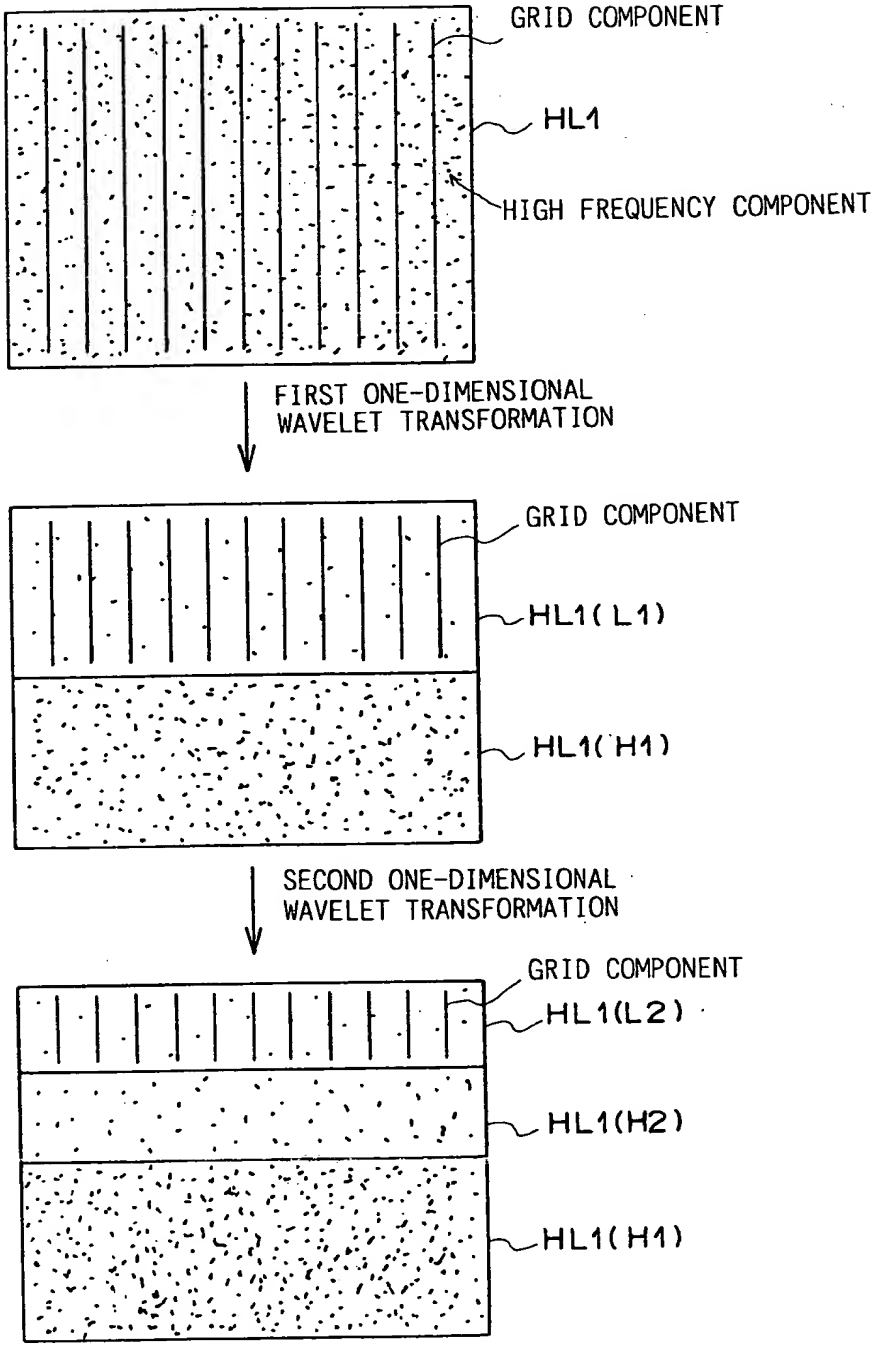

FIG.10

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FIG.11

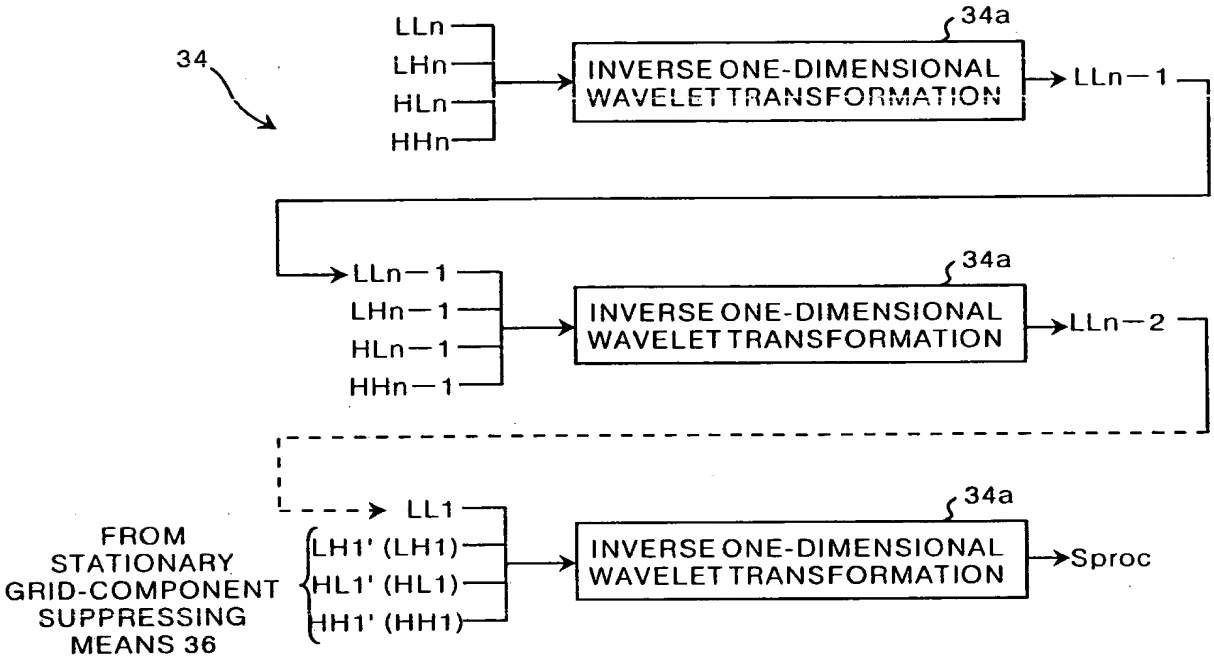

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FIG.12

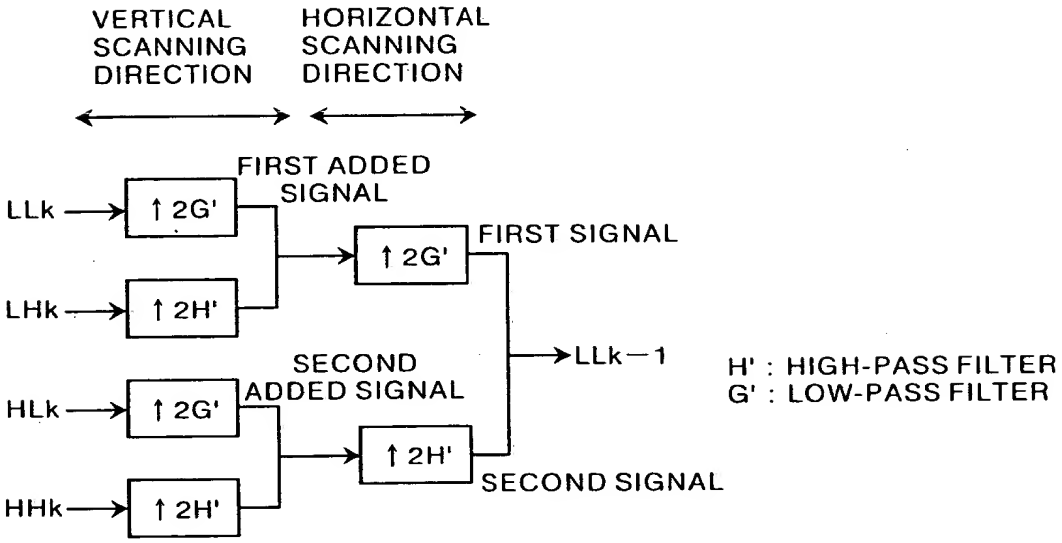

VERTICAL SCANNING DIRECTION
HORIZONTAL SCANNING DIRECTION
FIRST ADDED SIGNAL
LLk
↑ 2G'
LHk
↑ 2H'
↑ 2G'
FIRST SIGNAL
LLk−1
SECOND ADDED SIGNAL
HLk
↑ 2G'
HHk
↑ 2H'
↑ 2H'
SECOND SIGNAL
H' : HIGH-PASS FILTER
G' : LOW-PASS FILTER

FIG.13

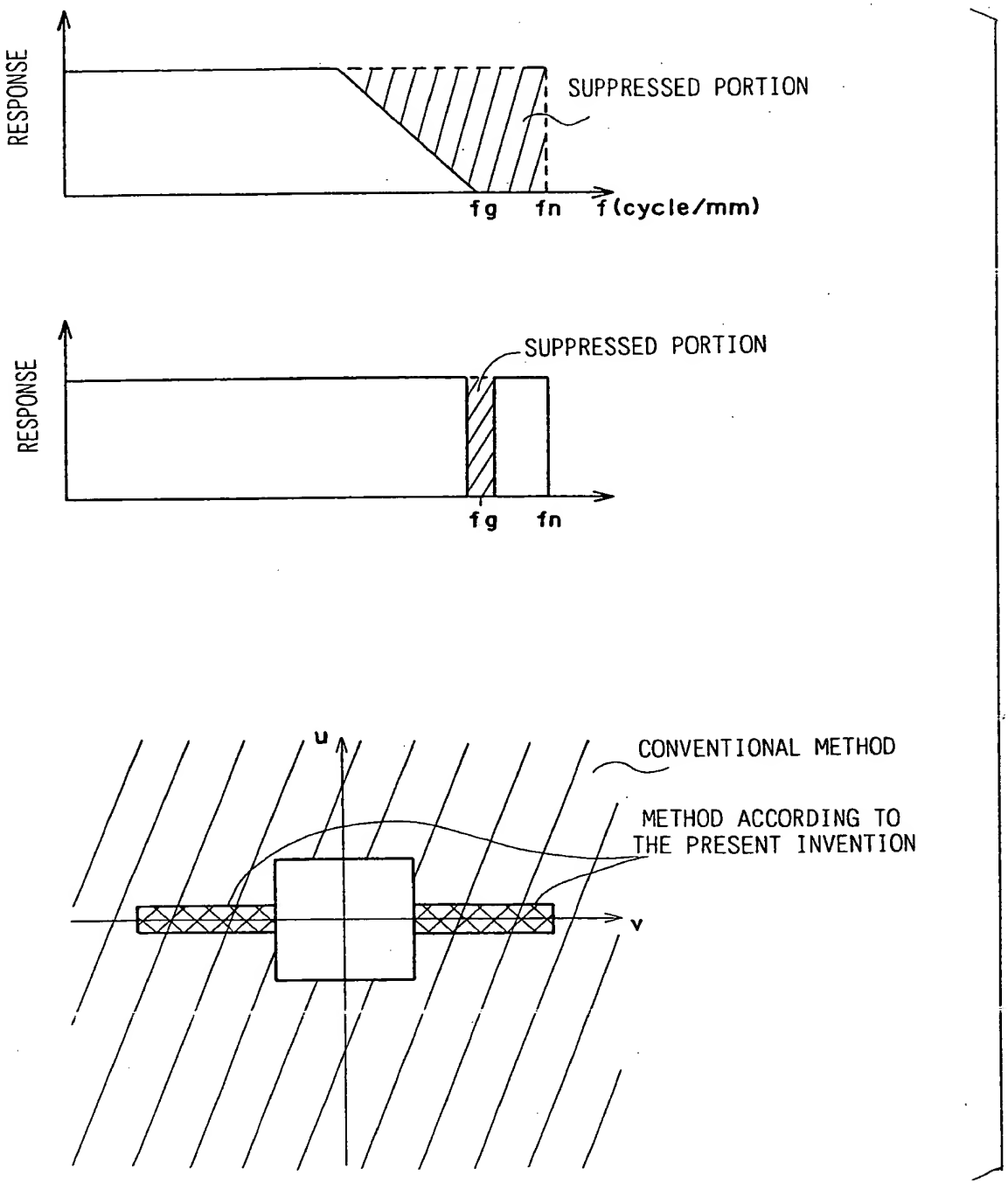
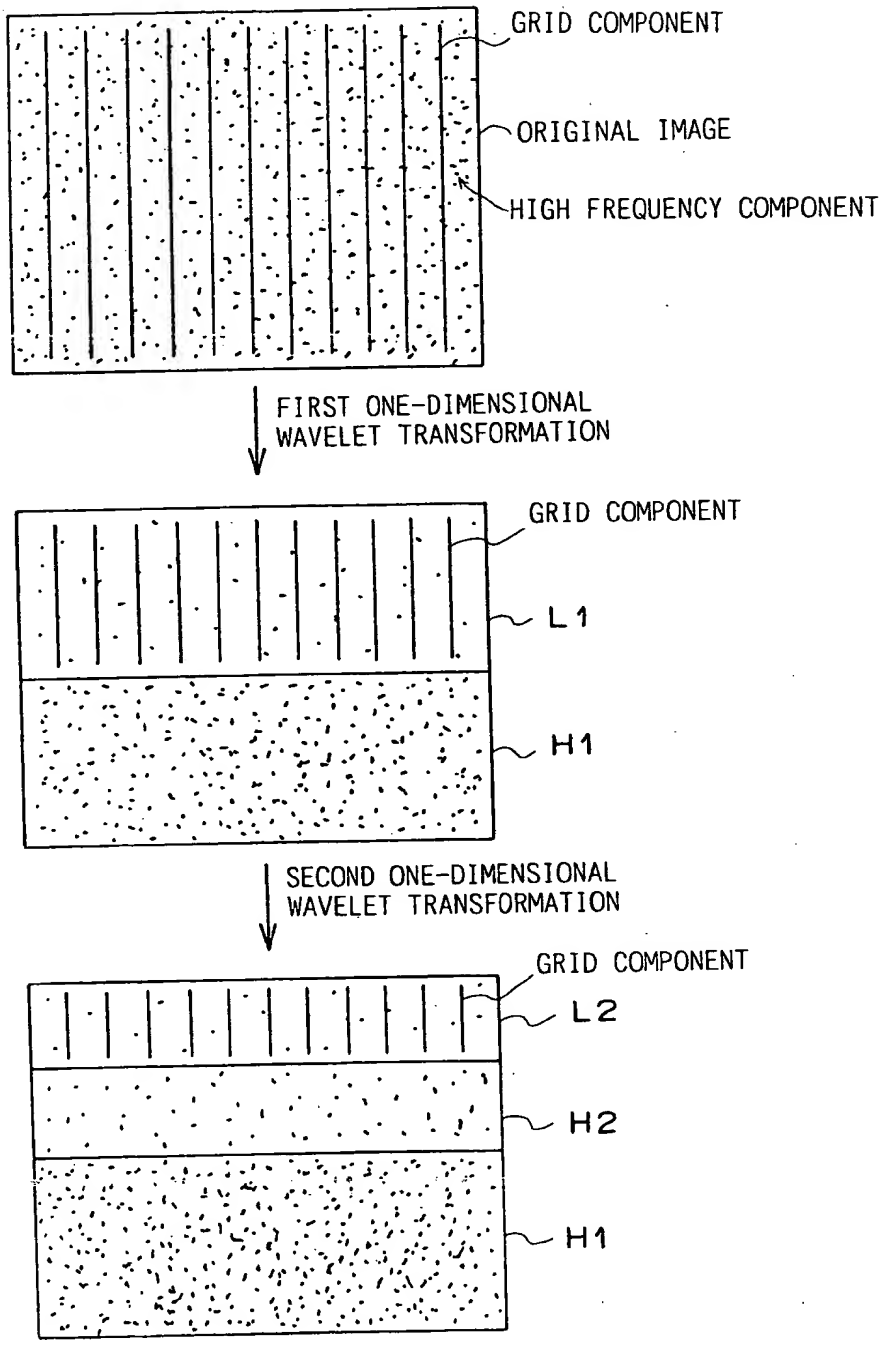

RESPONSE
SUPPRESSED PORTION
fg
fn
f(cycle/mm)
RESPONSE
SUPPRESSED PORTION
fg
fn
u
v
CONVENTIONAL METHOD
METHOD ACCORDING TO THE PRESENT INVENTION

FIG. 14


GRID COMPONENT
ORIGINAL IMAGE
HIGH FREQUENCY COMPONENT
FIRST ONE-DIMENSIONAL WAVELET TRANSFORMATION
GRID COMPONENT
L1
H1
SECOND ONE-DIMENSIONAL WAVELET TRANSFORMATION
GRID COMPONENT
L2
H2
H1